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NEW BOOKS.

Lectures on Ten British Mathematicians of the Nineteenth Century. By ALEXANDER MACFARLANE. New York: John Wiley & Sons. Pp. 148. $1.25 net.

This is number 17 of the series of *Mathematical Monographs* issued by these publishers and contains an account of the leading British mathematicians of the last century. The names included are Peacock, De Morgan, William Rowan Hamilton, Boole, Cayley, Clifford, Smith, Sylvester, Kirkman, Todhunter. The sketches given are very interesting and instructive and the volume is in the usual attractive form of the series.

Euclid's Book on Divisions of Figures. By R. C. ARCHIBALD. Cambridge: The University Press; G. P. Putnam's Sons, American representatives. Pp. 88. $1.50.

In 1851 Woepcke discovered in Paris an Arabic manuscript of Euclid's work "On Divisions" and translated it into French. Professor Archibald in this volume has given a restoration of this work of Euclid based on the Woepcke translation and on the geometry of Leonardo Pisano. The English-speaking student of mathematics is greatly indebted to the author and publishers for this scholarly piece of work in splendid form.

Scientific Papers. By SIR GEORGE HOWARD DARWIN. Volume V. Cambridge: The University Press; G. P. Putnam's Sons, American representatives. Pp. 81. $1.75.

This supplementary volume of Darwin's Papers contains his lectures on Hill's lunar theory and biographical sketches by Sir Francis Darwin and Professor E. W. Brown.

The lectures explain the essential peculiarities of Hill's work and the sketches give a view of Darwin from two angles.

Analytic Geometry. By W. A. WILSON and J. I. TRACEY. Boston: D. C. Heath and Company. Pp. 212. $1.20.

The aim of the authors has been to present that part of analytical geometry essential for calculus and is so arranged that less important topics may, if desired, be omitted and both the analytical geometry and the calculus covered in one year. The book seems to be well adapted for the purpose intended.